

0570
0606

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/081,817

DATE: 06/12/2002
TIME: 11:25:27

Input Set : A:\00530-094001.TXT
Output Set: N:\CRF3\06122002\J081817.raw

ENTERED

4 <110> APPLICANT: Polyak, Kornelia
5 Porter, Dale
6 Sgroi, Dennis
7 Krop, Ian
9 <120> TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
11 <130> FILE REFERENCE: 00530-094001
13 <140> CURRENT APPLICATION NUMBER: 10/081,817
C--> 14 <141> CURRENT FILING DATE: 2002-05-31
16 <150> PRIOR APPLICATION NUMBER: 60/270,973
17 <151> PRIOR FILING DATE: 2001-02-23
19 <150> PRIOR APPLICATION NUMBER: 60/351,908
20 <151> PRIOR FILING DATE: 2002-01-25
22 <160> NUMBER OF SEQ ID NOS: 32
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 104
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
31 <400> SEQUENCE: 1
32 Met Lys Leu Ala Ala Leu Leu Gly Leu Cys Val Ala Leu Ser Cys Ser
33 1 5 10 15
34 Ser Ala Arg Ala Phe Leu Val Gly Ser Ala Lys Pro Val Ala Gln Pro
35 .20 25 30
36 Val Ala Ala Leu Glu Ser Ala Ala Glu Ala Gly Thr Leu Ala
37 35 40 45
38 Asn Pro Leu Gly Thr Leu Asn Pro Leu Lys Leu Leu Ser Ser Leu
39 50 55 60
40 Gly Ile Pro Val Asn His Leu Ile Glu Gly Ser Gln Lys Cys Val Ala
41 65 70 75 80
42 Glu Leu Gly Pro Gln Ala Val Gly Ala Val Lys Ala Leu Lys Ala Leu
43 85 90 95
44 Leu Gly Ala Leu Thr Val Phe Gly
45 100
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 86
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 2
53 Arg Ala Phe Leu Val Gly Ser Ala Lys Pro Val Ala Gln Pro Val Ala
54 1 5 10 15
55 Ala Leu Glu Ser Ala Ala Glu Ala Gly Ala Gly Thr Leu Ala Asn Pro
56 20 25 30
57 Leu Gly Thr Leu Asn Pro Leu Lys Leu Leu Ser Ser Leu Gly Ile

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58	35	40	45	
59	Pro Val Asn His Leu Ile Glu Gly Ser Gln Lys Cys Val Ala Glu Leu			
60	50	55	60	
61	Gly Pro Gln Ala Val Gly Ala Val Lys Ala Leu Lys Ala Leu Leu Gly			
62	65	70	75	80
63	Ala Leu Thr Val Phe Gly			
64		85		
66	<210> SEQ ID NO: 3			
67	<211> LENGTH: 312			
68	<212> TYPE: DNA			
69	<213> ORGANISM: Homo sapiens			
71	<400> SEQUENCE: 3			
72	atgaagctcg cggccatctggggctctgc gtggccctgt cctgcagctc cgctcggtct	60		
73	gcctgtggcc cagccctgtcg ctgcgtggaa gtcggccggcg	120		
74	gaggccgggg ccgggacccct ggccaaacccc ctccggcaccc tcaacccgtc gaagctctg	180		
75	ctgagcagcc tgggcatccc cgtgaaccac ctcatagagg gctcccaagaa gtgtgtggct	240		
76	gagctgggtc cccaggccgt gggggccgtg aaggccctga aggccctgtc gggggccctg	300		
77	acagtgtttgc	312		
79	<210> SEQ ID NO: 4			
80	<211> LENGTH: 258			
81	<212> TYPE: DNA			
82	<213> ORGANISM: Homo sapiens			
84	<400> SEQUENCE: 4			
85	cgtgtttct tagtgggctc ggccaaaggct gtggcccaagc ctgtcgctgc gctggagtcg	60		
86	gcggcggagg ccggggccgg gaccctggcc aacccctcg gcaccctcaa cccgctgaag	120		
87	ctccctgtga cgtgcgtggg catcccccgtg aaccacctca tagagggctc ccagaagtgt	180		
88	gtggctgagc tgggtcccca ggccgtgggg gccgtgaagg ccctgaaggc cctgctgggg	240		
89	gcacctgacag tgggtggc	258		
91	<210> SEQ ID NO: 5			
92	<211> LENGTH: 104			
93	<212> TYPE: PRT			
94	<213> ORGANISM: Mus musculus			
96	<400> SEQUENCE: 5			
97	Met Lys Leu Thr Thr Phe Leu Val Leu Cys Val Ala Leu Leu Ser			
98	1 5 10 15			
99	Asp Ser Gly Val Ala Phe Phe Met Asp Ser Leu Ala Lys Pro Ala Val			
100	20 25 30			
101	Glu Pro Val Ala Ala Leu Ala Pro Ala Ala Glu Ala Val Ala Gly Ala			
102	35 40 45			
103	Val Pro Ser Leu Pro Leu Ser His Leu Ala Ile Leu Arg Phe Ile Leu			
104	50 55 60			
105	Ala Ser Met Gly Ile Pro Leu Asp Pro Leu Ile Glu Gly Ser Arg Lys			
106	65 70 75 80			
107	Cys Val Thr Glu Leu Gly Pro Glu Ala Val Gly Ala Val Lys Ser Leu			
108	85 90 95			
109	Leu Gly Val Leu Thr Met Phe Gly			
110	100			
112	<210> SEQ ID NO: 6			
113	<211> LENGTH: 85			

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114 <212> TYPE: PRT
 115 <213> ORGANISM: Mus musculus
 117 <400> SEQUENCE: 6
 118 Val Ala Phe Phe Met Asp Ser Leu Ala Lys Pro Ala Val Glu Pro Val
 119 1 5 10 15
 120 Ala Ala Leu Ala Pro Ala Ala Glu Ala Val Ala Gly Ala Val Pro Ser
 121 20 25 30
 122 Leu Pro Leu Ser His Leu Ala Ile Leu Arg Phe Ile Leu Ala Ser Met
 123 35 40 45
 124 Gly Ile Pro Leu Asp Pro Leu Ile Glu Gly Ser Arg Lys Cys Val Thr
 125 50 55 60
 126 Glu Leu Gly Pro Glu Ala Val Gly Ala Val Lys Ser Leu Leu Gly Val
 127 65 70 75 80
 128 Leu Thr Met Phe Gly
 129 85
 131 <210> SEQ ID NO: 7
 132 <211> LENGTH: 312
 133 <212> TYPE: DNA
 134 <213> ORGANISM: Mus musculus
 136 <400> SEQUENCE: 7
 137 atgaagctta ccaccacett tctagtgc tctgtggctc tgctcagtga ctctgggttt 60
 138 gctttcttca tggactcatt ggccaaggct gcggtagaac ccgtggccgc ccttgcctca 120
 139 gctgcagagg ctgtggcagg ggctgtgcct agcctaccat taagccactt ggcacatcctg 180
 140 aggttcatcc tggccagcat gggcatccca ttggatcctc tcatagaggg atccaggaag 240
 141 tggcaccg agctgggccc tgaggctgta ggagctgtga agtcactgct gggggtcctg 300
 142 acaatgttcg gt 312
 144 <210> SEQ ID NO: 8
 145 <211> LENGTH: 255
 146 <212> TYPE: DNA
 147 <213> ORGANISM: Mus musculus
 149 <400> SEQUENCE: 8
 150 gttgctttct tcatggactc attggccaag cctgcggtag aaccgcgtggc cgcccttgc 60
 151 ccagctgcag aggtgtggc aggggctgtg octagctac cattaagcca ctggccatc 120
 152 ctgaggttca tcctggccag catggccatc ccattggatc ctctcataga gggatccagg 180
 153 aagtgtgtca ccgagctggg ccctgaggct gtaggagctg tgaagtcaact gctgggggtc 240
 154 ctgacaatgt tcggt 255
 156 <210> SEQ ID NO: 9
 157 <211> LENGTH: 23
 158 <212> TYPE: DNA
 159 <213> ORGANISM: Artificial Sequence
 161 <220> FEATURE:
 162 <223> OTHER INFORMATION: primer
 164 <400> SEQUENCE: 9
 165 gagggaaaat ttttttatt tgg 23
 167 <210> SEQ ID NO: 10
 168 <211> LENGTH: 22
 169 <212> TYPE: DNA
 170 <213> ORGANISM: Artificial Sequence
 172 <220> FEATURE:

RAW SEQUENCE LISTING
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Input Set : A:\00530-094001.TXT
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173 <223> OTHER INFORMATION: primer
175 <400> SEQUENCE: 10
176 caaaactaac aaaacaaaac ca 22
178 <210> SEQ ID NO: 11
179 <211> LENGTH: 24
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: primer
186 <400> SEQUENCE: 11 24
187 gttaagagga agttttcgag gttc
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 24
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: primer
197 <400> SEQUENCE: 12 24
198 ggtacgggtt ttttacggtt cgtc
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 22
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: primer
208 <400> SEQUENCE: 13 22
209 aacttcttat acccgatcct cg
211 <210> SEQ ID NO: 14
212 <211> LENGTH: 24
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: primer
219 <400> SEQUENCE: 14 24
220 gttaagagga agtttttgag gttt
222 <210> SEQ ID NO: 15
223 <211> LENGTH: 24
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: primer
230 <400> SEQUENCE: 15 24
231 ggtatgggtt ttttatgggtt tgtt
233 <210> SEQ ID NO: 16
234 <211> LENGTH: 25
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: primer

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Input Set : A:\00530-094001.TXT
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241 <400> SEQUENCE: 16 25
242 caaaaactct tatacccaat cctca
244 <210> SEQ ID NO: 17
245 <211> LENGTH: 21
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: primer
252 <400> SEQUENCE: 17 21
253 ttccctgct tccacactag c
255 <210> SEQ ID NO: 18
256 <211> LENGTH: 21
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: primer
263 <400> SEQUENCE: 18 21
264 agattaagaa ggaattgacc t
266 <210> SEQ ID NO: 19
267 <211> LENGTH: 547
268 <212> TYPE: DNA
269 <213> ORGANISM: Homo sapiens
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: 186
274 <223> OTHER INFORMATION: n = C or G
276 <400> SEQUENCE: 19 60
277 cggccgggaa ggcggccggg agtggggct gatcgccctt ggcgcctcca cctcccccagg
278 cgcagaaggc gcccacagg acccccagtg cccgacgtt ccacggcttg ggatcagagg
279 cagggaccag ggagccagga actgcgcgc ccccgccctg cctggcgcga ggaagctccc
280 tcaccnaggag aagctcccc tcacccggcc cagccctgag gggggcgcgt ggggtcagac 120
281 cgcggccgggaa aggtgcgggc cgggggtggc ctgcggaga caaaggccgg gcctgcctct 180
282 ctcagaggcc cccagcgcct gccaagagga achtgcgtcgag gcccggcag ggaaggggggc 240
283 acgggcttc cagggccgc cggccgcagc aggaagttgg ccagggcagc gccgtgagcg 300
284 gagcggccag ggctttctca ggagcgcggg cggggccggc gctggagggg cgaggaccgg 360
285 gtataagaag cctcgtggcc ttggccgggc agccgcagg tccccgcgcg ccccgagccc 420
286 ccgcgc 480
288 <210> SEQ ID NO: 20 540
289 <211> LENGTH: 279
290 <212> TYPE: DNA
291 <213> ORGANISM: Rattus norvegicus
293 <400> SEQUENCE: 20 547
294 gttctctgtt ttgtgttgtt aggcgttgc ttcttgggtt attcactggc caagcctgtg 60
295 gtagaaccgg tggctggcat tgctacagct gcagaggctg tggcaggggc tggccttagc 120
296 ctaccattaa gccactggc catcctgagg ttcatcgta ccagcctggg catccattg 180
297 gatcctctca tagatgttc cagaagtgc gtcaccggc tggccctga ggctgttagga 240
298 gctgtgaagt cactgtggg ggcctgaca acgttcgg 279
300 <210> SEQ ID NO: 21
301 <211> LENGTH: 93

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/081,817

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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:19; N Pos. 186